



GO POWER SYSTEMS

MODEL SPECIFICATIONS

- 500 Bhp Maximum Power
- 1000 ft-lbs Maximum Torque
- 4,000 rpm Maximum Speed
- Bidirectional absorption

TECHNICAL SPECIFICATIONS

- Absorption Type: Water Brake
- Construction: High strength aluminum alloy
- Bearings: Roller and ball type
- Lubrication: Greased bearing
- Operating range: Up to 4,000 rpm
- Rotation Direction: Bidirectional
- Torque Sensor: Electronic strain gauge (0-30mv)
- Speed Sensor: 60-tooth gear with inductive pulse pickup

WATER REQUIREMENTS

- Inlet: 1 in. (26 mm) diameter
50 US gpm flow @ 500 hp
- Outlet: 1 in. (26 mm) gravity
drain to atmosphere
- Dynamic pressure: 60 PSI (4.10 bar)

ENGINE ADAPTATION:

- SAE flywheel housing adapter:
#1/2-4 standard (0 & 00 available)
- Universal SAE flywheel adapters:
Stock & custom adapters available

DIMENSIONS & SHIPPING

- Width: 22 in.
- Height: 19 in.
- Depth: 16 in.
- Weight: 99 lbs.

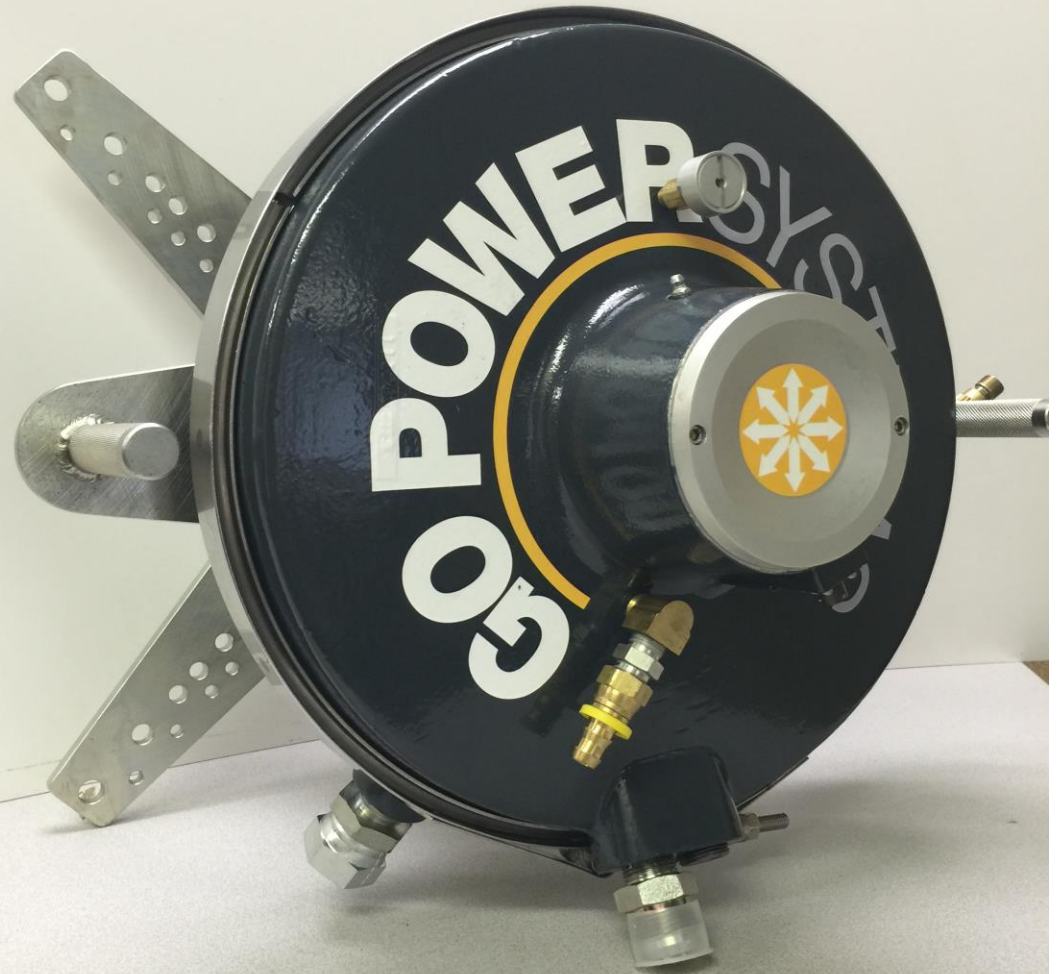
BENEFITS

- Portable
- Long service-life
- Reliable
- Cost effective

Fact Sheet:

DT1000SG Diesel Dynamometer

Designed for endurance and/or power testing of light to medium duty industrial diesel engines and other high torque applications.



500 Bhp (375 kW) High Torque Dynamometer

- High strength aluminum alloy modular construction.
- Includes strain gauge load cell, speed sensor, inlet, discharge and vent hoses 15 ft. (4.5 m). Mechanical seal feed line assembly also included.
- Splined interface stub shaft or power coupling included.
- Engine flywheel housing spacer with mounting hardware included.
- Requires flywheel adapter kit (p/n DAK-x or TDA-1000 with 50156-x adapter for engine interface).



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Engineering Performance

Fact Sheet:

DT-1000SG Diesel Dynamometer

Power – Torque Curve

The **DT1000SG** dynamometer is designed for use with industrial diesel engines at speeds up to 3,500 rpm continuous and 4,000 rpm intermittent. It is designed to be quickly and easily fitted to an engine mounted on a fixed base or mobile engine stand. When combined with a Go Power Systems instrumentation package this allows the user to achieve precise testing results with minimum of set-up time and ease of use.

With a wide variety of adapters and engine carts which allow attachment to all standard engine types. Go Power Systems engineering can readily design adapters for virtually any application, in addition to cooling columns, engine carts, engine adapters and many other accessories allowing the end user to outfit test cells from the entry level to the most sophisticated automated data acquisition control systems.

CONTACT

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Torque
(lbf-ft) (Nm)

Power
(kW) (Bhp)

